

CLAIMS

1. A magnesium alloy molded product, comprising  
a magnesium alloy molded body,  
a nonmetal anticorrosive coating layer containing no  
elemental magnesium and formed on a surface of said magnesium  
alloy molded body, and  
a transparent painted film formed on said anticorrosive  
coating layer.

2. A magnesium alloy molded product, comprising  
a magnesium alloy molded body,  
an aluminum layer formed on a surface of said magnesium  
alloy molded body, and  
an anticorrosive coating layer formed on a surface of  
said aluminum layer.

3. The magnesium alloy molded product according to claim  
2, wherein said anticorrosive coating layer is a chemically  
formed film that produces an interference color.

4. The magnesium alloy molded product according to claim  
2, wherein said aluminum layer has a thickness of 0.1 to 500  
 $\mu\text{m}$ .

5. The magnesium alloy molded product according to claim  
2, wherein a transparent painted film is formed on a surface  
of said anticorrosive coating layer.

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6. A method for manufacturing a magnesium alloy molded product, comprising the steps of:

- molding a magnesium alloy;
- forming an aluminum layer on a surface of an obtained magnesium alloy molded body; and
- chemically treating said magnesium alloy molded body, on which said aluminum layer has been formed, to form an anticorrosive coating layer producing an interference color on the surface of said aluminum layer.

7. A method for manufacturing a magnesium alloy molded product, comprising the steps of:

- forming a joined sheet consisting of a magnesium alloy sheet and an aluminum sheet,
- processing said joined sheet into a desired shape, and
- chemically treating said molded joined sheet to form an anticorrosive coating layer producing an interference color on a surface of said aluminum sheet.

8. The method for manufacturing a magnesium alloy molded product according to claim 6, further comprising a step of forming a transparent painted film on a surface of said anticorrosive coating layer after the step of forming said anticorrosive coating layer.

9. The method for manufacturing a magnesium alloy molded product according to claim 7, further comprising a step of

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forming a transparent painted film on a surface of said anticorrosive coating layer after the step of forming said anticorrosive coating layer.

10. A magnesium alloy molded product having a brilliant anticorrosive structure, comprising

a magnesium alloy molded body having a cut surface of a desired shape,

a transparent anticorrosive film consisting of an organic acid amine salt and formed at least on said cut surface, and

a transparent painted film formed on said transparent anticorrosive film.

11. The magnesium alloy molded product having a brilliant anticorrosive structure according to claim 10, wherein said transparent painted film is composed mainly of a thermosetting organic resin.

12. The magnesium alloy molded product having a brilliant anticorrosive structure according to claim 10, wherein said transparent painted film is composed mainly of an ultraviolet-curing organic resin.

13. A method for manufacturing a magnesium alloy molded product having a brilliant anticorrosive structure, comprising the steps of:

forming a transparent painted film by applying and solidifying a solution of a transparent resin.

said arrangement comprising:

a third unit for water swishing and drying said magnesium alloy molded body; and

a conveyer unit for conveying said magnesium alloy - molded body sequentially from said first unit through said second unit to said third unit.

15. The arrangement for manufacturing a magnesium alloy molded product according to claim 14, wherein said first unit is constituted to immerse said magnesium alloy molded body in an immersion tank thereof filled with the aqueous solution of a organic acid amine salt.

16. The arrangement for manufacturing a magnesium alloy molded product according to claim 14, wherein said conveyer unit is constituted to transfer said magnesium alloy molded body substantially horizontally to said first unit, said second unit and said third unit in order.

17. The arrangement for manufacturing a magnesium alloy molded product according to claim 16, wherein said first unit is constituted to drop an aqueous solution of an organic acid amine salt onto said magnesium alloy molded body from above.

~~18~~. An arrangement for manufacturing a magnesium alloy molded product, which is an arrangement for forming a transparent anticorrosive film for a magnesium alloy molded product having a brilliant anticorrosive structure,

said arrangement comprising:

a turntable that can receive thereon a magnesium alloy molded body having a cut surface formed thereon;

an ejecting nozzle disposed perpendicularly above said turntable and ejecting an aqueous solution of an organic acid amine salt onto said magnesium alloy molded body, and

a spray nozzle disposed perpendicularly above said turntable and spraying rinsing water onto said magnesium alloy molded body.

10. A casing of an apparatus, composed of a magnesium alloy molded body having a brilliant anticorrosive structure, said casing comprising:

a magnesium alloy molded body having a cut surface of a desired shape;

a transparent anticorrosive film consisting of an organic acid amine salt formed at least on said cut surface; and

a transparent painted film formed on said transparent anticorrosive film.

20. The casing according to claim 19, wherein said casing composed of said magnesium alloy molded body having a brilliant anticorrosive structure is a casing of a portable audio apparatus.